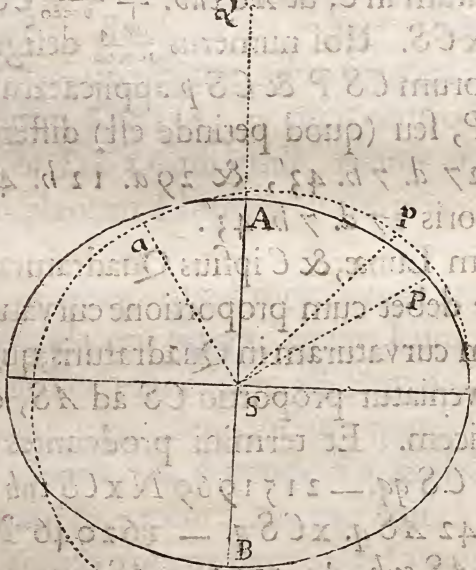


Prop. XXIX. Prob. IX.

Invenire Variationem Lunæ.

Oritur hæc inæqualitas partim ex forma Elliptica orbis Lunaræ, partim ex inæqualitate momentorum areæ, quam Luna radio ad Terram ducto describit. Si Luna P in Ellipsi $DBCA$ circa Terram in centro Ellipseos quiescentem moveretur, & radio SP ad Terram ducto describeret aream $CS P$ temporis proportionalem, esset autem Ellipseos semidiameter maxima CS ad semi-



in Octantibus, ubi motus medi
qui subductus de angulo mot
32'. 31". Hæc ita se haberent
Syzygiam, describeret angulus
Verum ob motum Terræ, quæ
transfertur, Luna, priusquam S
CS a angulo recto majorem in
dicæ ad revolutionem periodica
ad 27 d. 7 h. 43'. Et hoc pa
latantur in eadem ratione, &
jam aucta in eadem ratione,
stituitur 40', & ex recentiori
autem recentissimè deprehend
positionem Solis, & 32' in O
diocris ejus magnitudo erit 35'
venta 35'. 9" probe congruit
computavimus, neglectis diff
ni, majorique Solis actione in
Gibbosam & plenam, oriri pos

Prop. XX

Invenire motum horarium

Designet S Solem, T Terram, N p n vestigium Orbis
 n TN m lineam Nodorum infima
 dicula demissa in lineas S T , Q
 planum Eclipticæ, Q , q Qua
 p K perpendiculum in lineam
 vis Solis ad perturbandum me
 plex erit, altera lineæ 2 IT vel
 lis. Et Luna vi priore in Sole